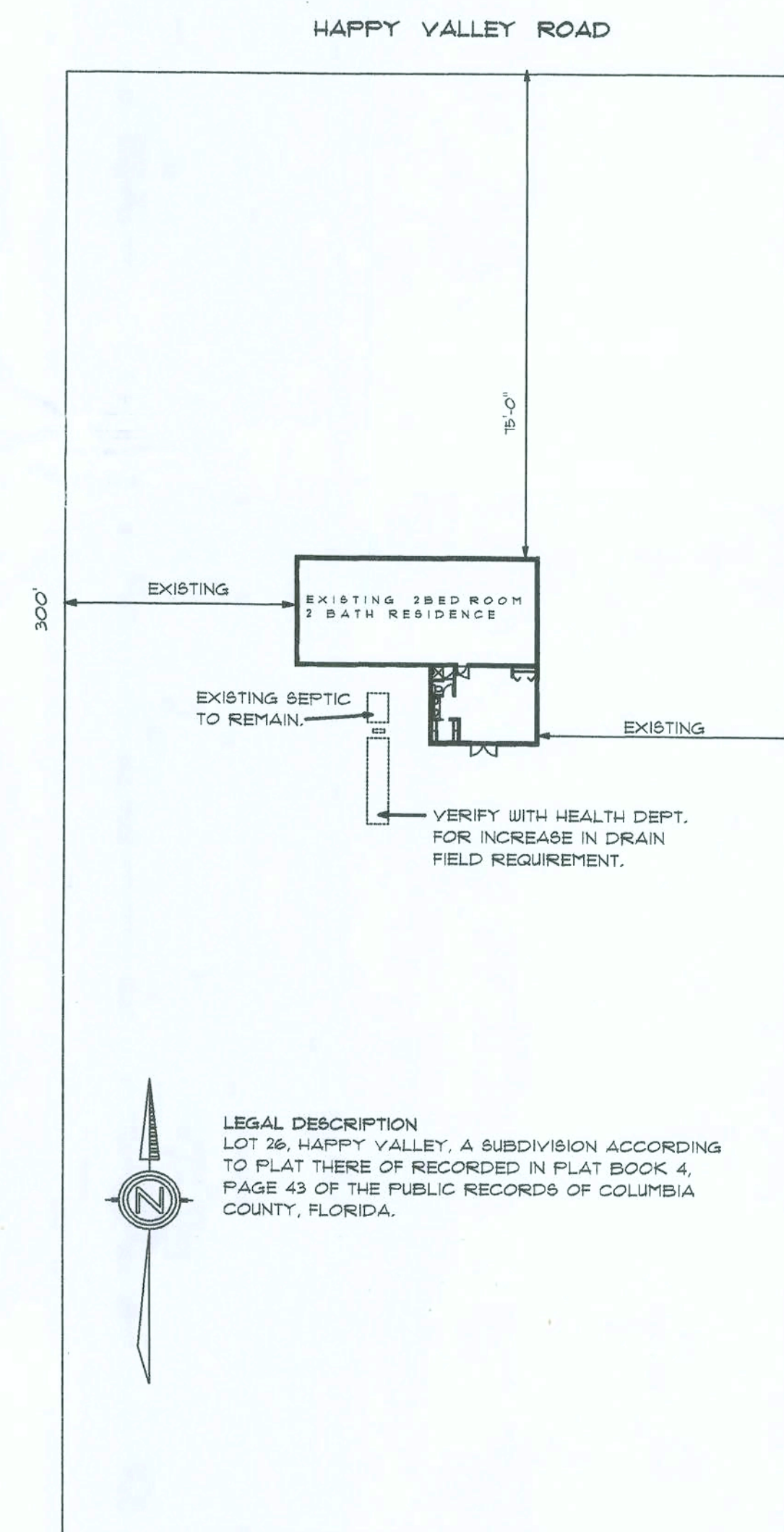
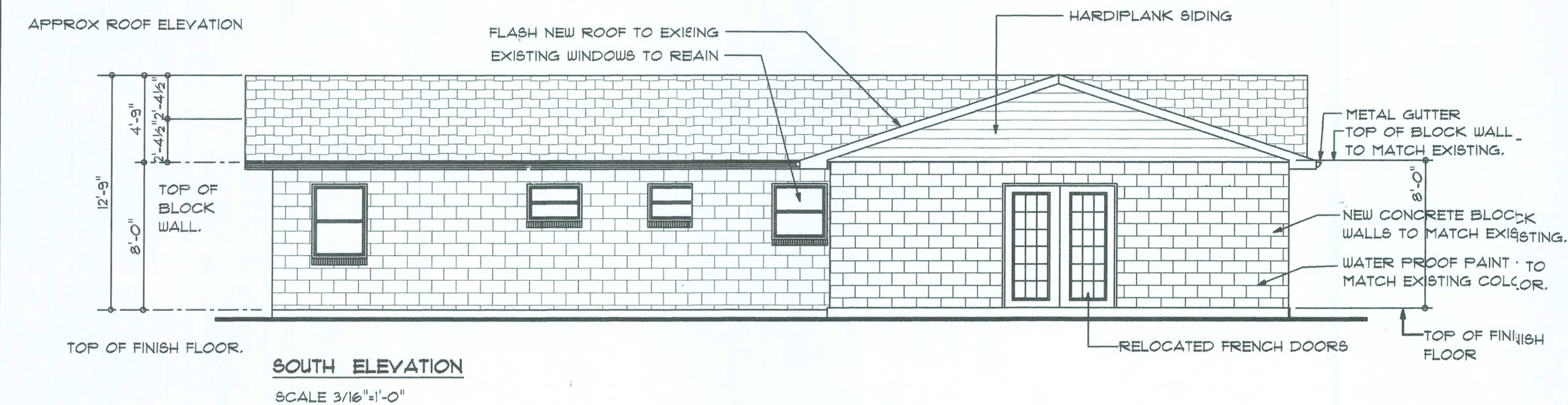
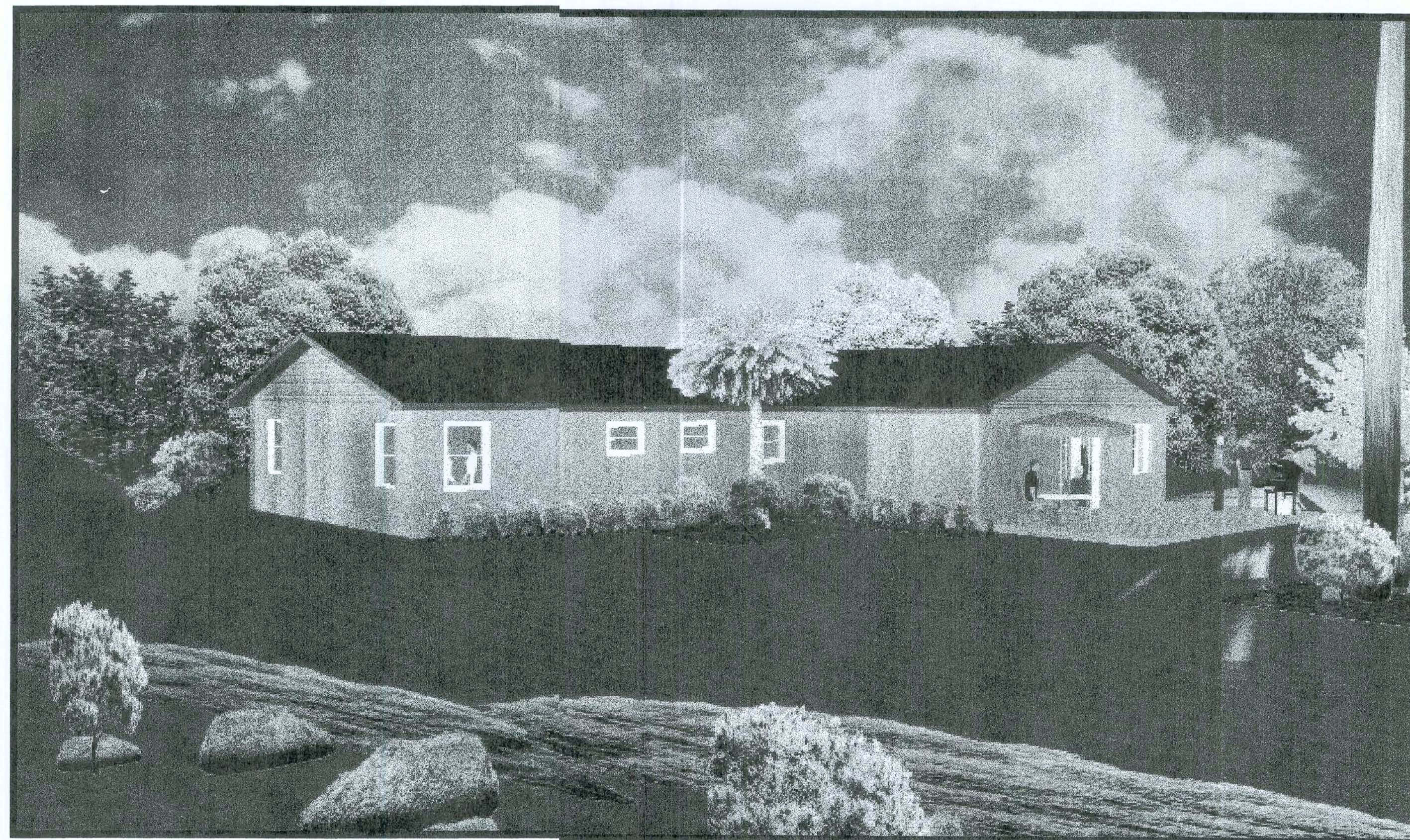
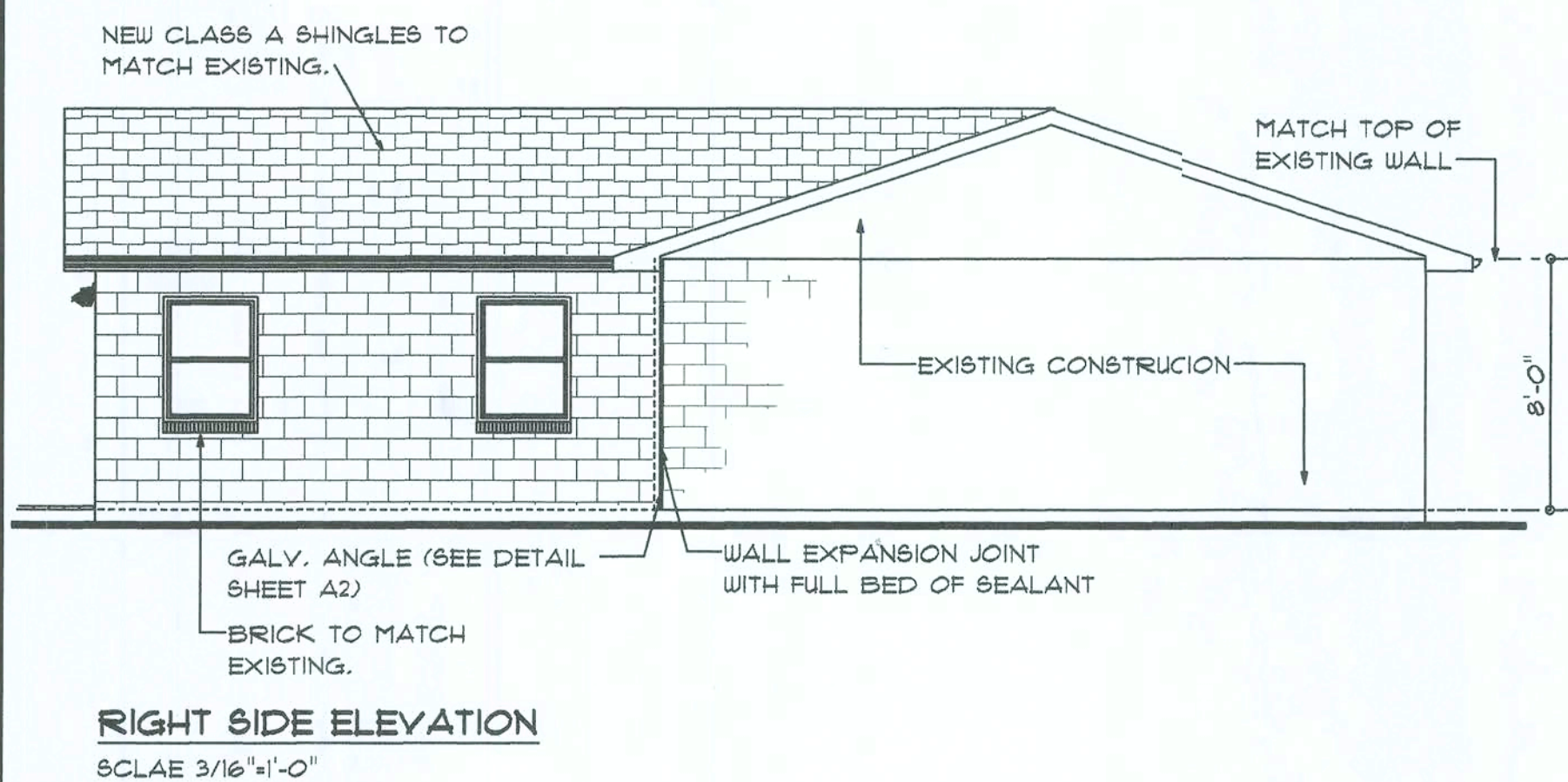
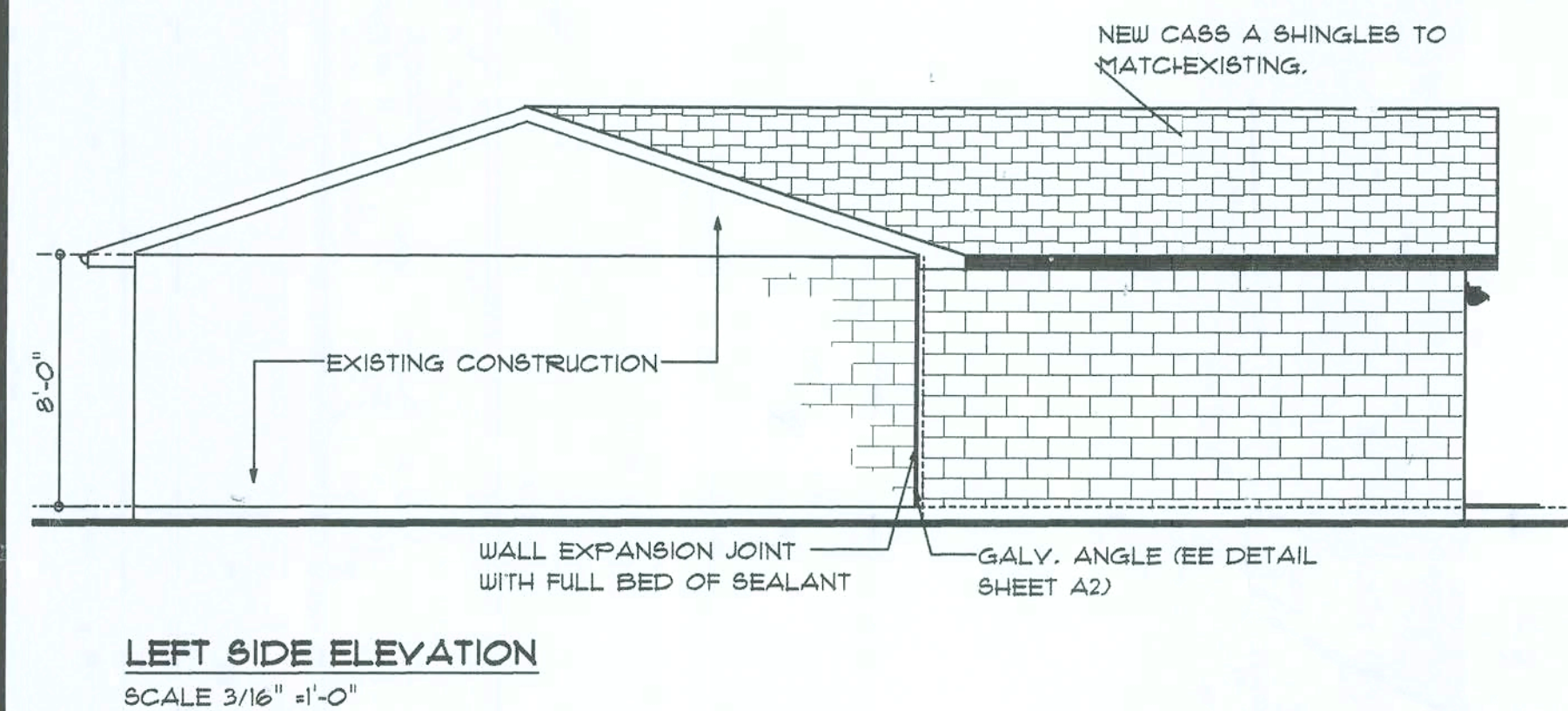


# REMODELING TO EXISTING RESIDENCE FOR DAVID AND LISA MILLER

COLUMBIA COUNTY,

FLORIDA



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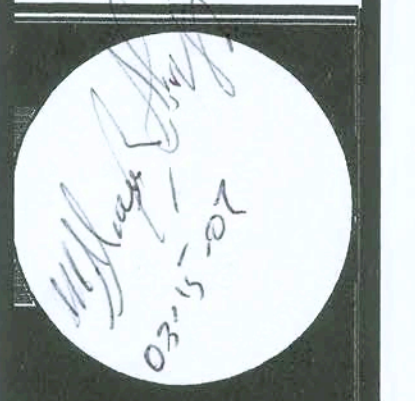
- A1 COVER SHEET SITE PLAN EXTERIOR ELEVATIONS
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REMODELING TO EXISTING  
RESIDENCE FOR  
**DAVID AND LISA MILLER**  
COLUMBIA COUNTY,  
FLORIDA

**WILLIAM R. SHISKIN JR.**  
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DRAWN	TMH
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DATE	03-08-07
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FOUNDATION SPECIFICATIONS

SITE PREPARATION: SITE ANALYSIS AND PREPARATION INFORMATION IS NOT PART OF THIS PLAN AND IS RESPONSIBILITY OF THE OWNER. ALL FOUNDATIONS AND FOOTINGS ARE DESIGNED FOR STABLE SOIL CONDITIONS WITH 2000 P.S.F. BEARING CAPACITY. SITE INSPECTION OF SOIL CONDITIONS SHALL DETERMINE IF THERE IS ANY EVIDENCE OF UNSUITABLE BEARING MATERIALS. QUESTIONABLE MATERIALS PRESENT SHOULD CALL FOR SOIL TESTS AND ANALYSIS BY GEOTECHNICAL ENGINEER TO ASSURE THAT EXPANDING CLAYS AND OTHER PROBLEMATIC SOILS CONDITIONS DO NOT EXIST, OR TO ALLOW MITIGATION SHOULD THEY EXIST. ALL FILL UNDER STRUCTURAL ELEMENTS SHALL BE CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 INCHES, LOOSE MEASURE. IT IS THE OWNER'S/BUILDER'S RESPONSIBILITY TO VERIFY EXISTING SOIL AND CLEAN FILL ARE COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER THE MODIFIED PROCTOR TEST AND PROVIDES 2000 P.S.F. MINIMUM BEARING CAPACITY OR REQUEST FOUNDATION DESIGN BASED ON ACTUAL SITE CONDITIONS.

FOUNDATION: THE OWNER HAS NOT YET PROVIDED A GEOTECHNICAL REPORT TO THE ARCHITECT. ASSUMED SAFE BEARING CAPACITY OF 1000 P.S.F. SHALL BE CONFIRMED IN THE FIELD BY A REGISTERED GEOTECHNICAL ENGINEER OR SHALL BE APPROVED BY THE OWNER. FOOTINGS AND SLABS ARE TO BEAR ON FIRM UNDISTURBED EARTH OR CLEAN SAND/SOIL FILL, FREE FROM DEBRIS AND ORGANIC MATERIALS COMPACTED IN LIFTS OF NOT MORE THAN 6 INCHES, LOOSE MEASURE, WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL. NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES TO MINIMIZE WEATHERING. THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 4000 P.S.I. WHERE EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICEABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTH SHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUCH MODIFICATIONS AS MAY BE REQUIRED BY THE ENGINEER TO PROVIDE A SERVICEABLE MEMBER OR SURFACE. ALL CONCRETE SHALL BE VIBATED. NO REPAIR OR RUBBING OF CONCRETE SURFACES SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF THE ENGINEER OR HIS REPRESENTATIVE.

WELDED WIRE REINFORCED SLAB: 6" X 6" W/4 X W/4, FB X 255UM WELDED REINFORCEMENT FABRIC (W.W.F.) COMFORMING TO ASTM A185; LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT 6" SPACINGS NOT TO EXCEED 3'.

REINFORCEMENT SHALL MEET ASTM A62 PROVIDE THE FOLLOWING MINIMUM CONTINUOUS HORIZONTAL MASONRY REINFORCEMENT AT 16" O.C. UNLESS NOTED OTHERWISE MANUFACTURED BY PUR O WALL OR EQUIVALENT SINGLE UNIT THE UNREINFORCED STD WEIGHT TRUSS TYPE REINFORCED 9" WIDTH STD WEIGHT LADUR TYPE 12" W/2" WIDTH MED WEIGHT LADUR TYPE.

1 REINFORCED HOLLOW UNIT MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED WALLS AND CROSS TIES FORMING SUCH CELLS TO BE FILLED SHALL BE FULL BEDDED IN MORTAR TO PREVENT SEPARATION OF THE GROUT ALL HEAD OR END JOINTS SHALL BE SOLIDLY FILLED WITH GROUT FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS BOND SHALL BE PROVIDED BY LAPPING BLOCK IN SUCCESSIVE VERTICAL COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN AN UNOBSTRUCTED CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 3" INCHES AND HAVING A CLEAR OPENING OF 10 SQUARE INCHES CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS TO BE FILLED IN A SINGLE POUR OF GROUTING EXCESS OF 4 FEET IN HEIGHT ANY PROTRUDING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM THE SIDES OF SUCH CELLS WALLS THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING AFTER OBSERVATION.

2 VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND THE BOTTOM AND AT INTERVALS NOT TO EXCEED 182 BAR DIAMETERS OR 10 FEET.

3 ALL CELLS CONTAINING REINFORCEMENT SHALL BE SOLIDLY FILLED WITH GROUT. GROUT SHALL BE Poured IN LIFTS OF 8 FEET MAXIMUM HEIGHT ALL GROUT SHALL BE CONSOLIDATED AT THE TIME OF POURING BY PUDDLING OR VIBRATING AND THEN CONSOLIDATED AGAIN BY PUDDLING LATER BEFORE PLASTICITY IS LOST.

10 WHEN TOTAL GROUT FOUR EXCEEDS 8 FEET THE GROUT SHALL BE PLACED IN 4 FOOT LIFTS AND SPECIAL INSPECTION DURING GROUTING SHALL BE REQUIRED. MINIMUM CELL DIMENSION SHALL BE 3 INCHES.

11 WHEN THE GROUTING IS STOPPED FOR ONE HOUR OR LONGER HORIZONTAL JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT NOT LESS THAN 4" BELOW THE TOP OF THE UPPERMOST UNIT GROUTED.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT. FIBER LENGTHS SHALL BE 1/2 INCH TO 2 INCH TO 2 INCHES IN LENGTH. DOSAGE AMOUNTS SHALL BE FROM 0.15 TO 1.5 POUNDS PER CUBIC YARD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SYNTHETIC FIBERS SHALL COMPLY WITH ASTM C 1116. THE MANUFACTURER OR SUPPLIER SHALL PROVIDE CERTIFICATION OF COMPLIANCE WITH ASTM C 1116 WHEN REQUESTED BY THE BUILDING OFFICIAL.

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, FY = 60 KY = 60 KSI. ALL LAPS SPLICES 40" DB (25' FOR #5 BARS); UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 318-95 WITH ACI 318-96 UNLESS NOTED OTHERWISE ALL TENSION DEVELOPMENT LENGTHS SHALL BE 23 INCHES.

CONTROL JOINTS: WHERE SPECIFIED, SAW CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT IN ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH/WIDTH RATIO OF SLAB AREAS SHALL NOT EXCEED 1.5 AND TYPICAL SPACING OF CUTS TO BE 12FT. DO NOT CUT W/UM C OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS IS SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED TO PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE)

MASONRY CONSTRUCTION NOTES:

1 MASONRY CONSTRUCTION SHALL COMPLY WITH ACI 53C, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.

2 MINIMUM COMPRESSIVE STRENGTH OF MASONRY AT 28 DAYS SHALL BE 1500 P.S.I. CONCRETE: OR GROUT USED FOR FILLING CELLS AND BOND BEAMS SHALL COMPLY WITH ASTM C 416 SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH EQUAL TO BUT NOT LESS THAN 2000 P.S.I. DETERMINED IN ACCORDANCE WITH ASTM C 1018 THE SLUMP SHALL BE BETWEEN 3 AND 11 INCHES WHERE THE MINIMUM DIMENSION OF ANY CONTINUOUS VERTICAL CELL IS 3 INCHES OR LESS. USE FINE GROUT OTHERWISE USE COARSE FEA GRAVEL GROUT.

3 MOTOR SHALL CONFORM TO THE FOLLOWING TYPES AS DEFINED IN THE BUILDING CODE. MASONRY IN CONTACT WITH TYPE M EXTERIOR BLOCK WALLS AND BEARING WALLS TYPE M OF 5 MORTAR.

CONTROL JOINTS AT LOCATIONS APPROVED BY THE ARCHITECT IN ALL MASONRY WALLS.

5 REINFORCEMENT AND WHERE MASONRY VENEERS ARE SUPPORTED FROM THE TURE SUPPORTING HAT VENEER SHALL BE DISCONTINUED AT CONTROL JOINTS LOCATE CONTROL JOINTS WITHIN 16 INCHES OF OPENINGS UNLESS MASONRY OPENING IS SUPPORTED FROM A STEEL LINTEL WHICH IS SUPPORTED FROM THE TURE.

PROVIDE SOIL POISONING TO ALL AREAS UNDER SLAB. BOTTOM OF FOOTING SHALL BEAR ON FIRM ORIGINAL SOIL OR COMPACTED SOIL TO A MINIMUM OF 2000\* P.S.F. AND SHALL BE TESTED BY A SOILS ENGINEER REGISTERED IN THE STATE OF FLORIDA.

ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% DENSITY IN ACCORDANCE WITH ASTM D-1557.

ALL ORGANIC MATERIAL SHALL BE REMOVED IN AREAS OF FOOTINGS AND SLABS.

PROVIDE A CONSTRUCTION JOINT FOR ALL AREAS EXCEEDING 400 S.F.

PROVIDE VAPOR BARRIER IN AREAS OF CONSTRUCTION.

ALL CONCRETE WORK IN THE FOOTINGS SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"(ACI 318-95)

ANCHOR BOLTS SHALL CONFORM TO ASTM A307 -94 GRADE C

ALL CONCRETE SHALL BE MINIMUM OF 3000\* P.S.I

BAR SIZE \* THROUGH #4 SHALL MEET THE REQUIREMENTS OF ASTM A-15 WITH A MINIMUM YIELD POINT STRENGTH OF 40,000 P.S.I. BAR SIZES #5 THROUGH #11 SHALL MEET THE REQUIREMENTS OF ASTM A-432 WITH A MINIMUM YIELD POINT STRENGTH OF 60,000 P.S.I. LAP NOT SHOWN LAP ALL STEEL 40 DIA. AND ALL FABRIC ONE WIRE SPACE PLUS 2".

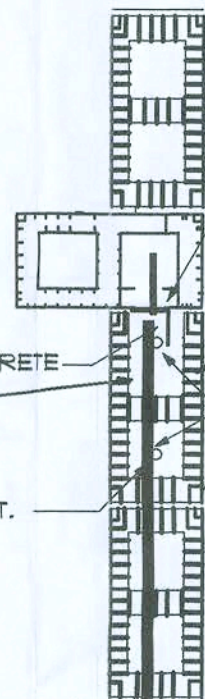
4" CONCRETE SLAB WITH 6"X 6" #1.4X 1.4 WELDED WIRE FABRIC ON WELL COMPACTED CLEAN FILL.

5" CONCRETE SLAB WITH 6"X 6" #2.5X 2.5 WELDED WIRE FABRIC ON WELL COMPACTED CLEAN FILL.

TO WEATHER, BARS SHALL BE COVERED WITH A MINIMUM OF 2" OF CONCRETE. SLAB SHALL HAVE 3/4" OF CONCRETE, UNDER THE LOWEST LAYER OF STEEL. PROTECTION OF STEEL SHALL BE IN ACCORDANCE WITH CHAPTER 7, ACI-318-95

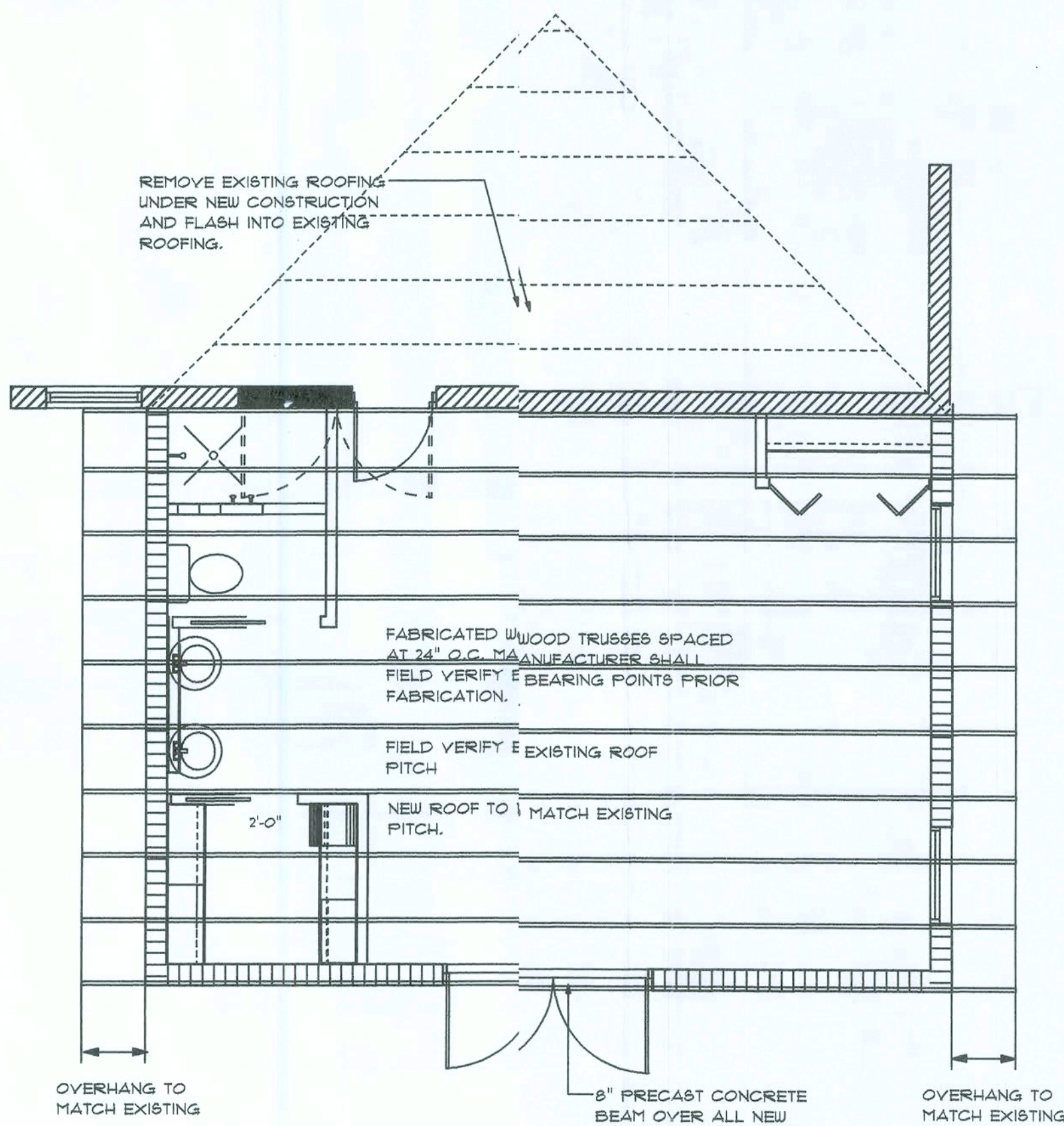
PROVIDE ADDITIONAL STEEL AT ALL CORNERS SIMILAR TO REINFORCEMENT AS SHOWN AND EXTEND MINIMUM OF 40 DIA. EACH LEG.

ALL FOOTING BARS SHALL HAVE A MINIMUM CONCRETE COVERAGE OF 3". AT SURFACE EXPOSED



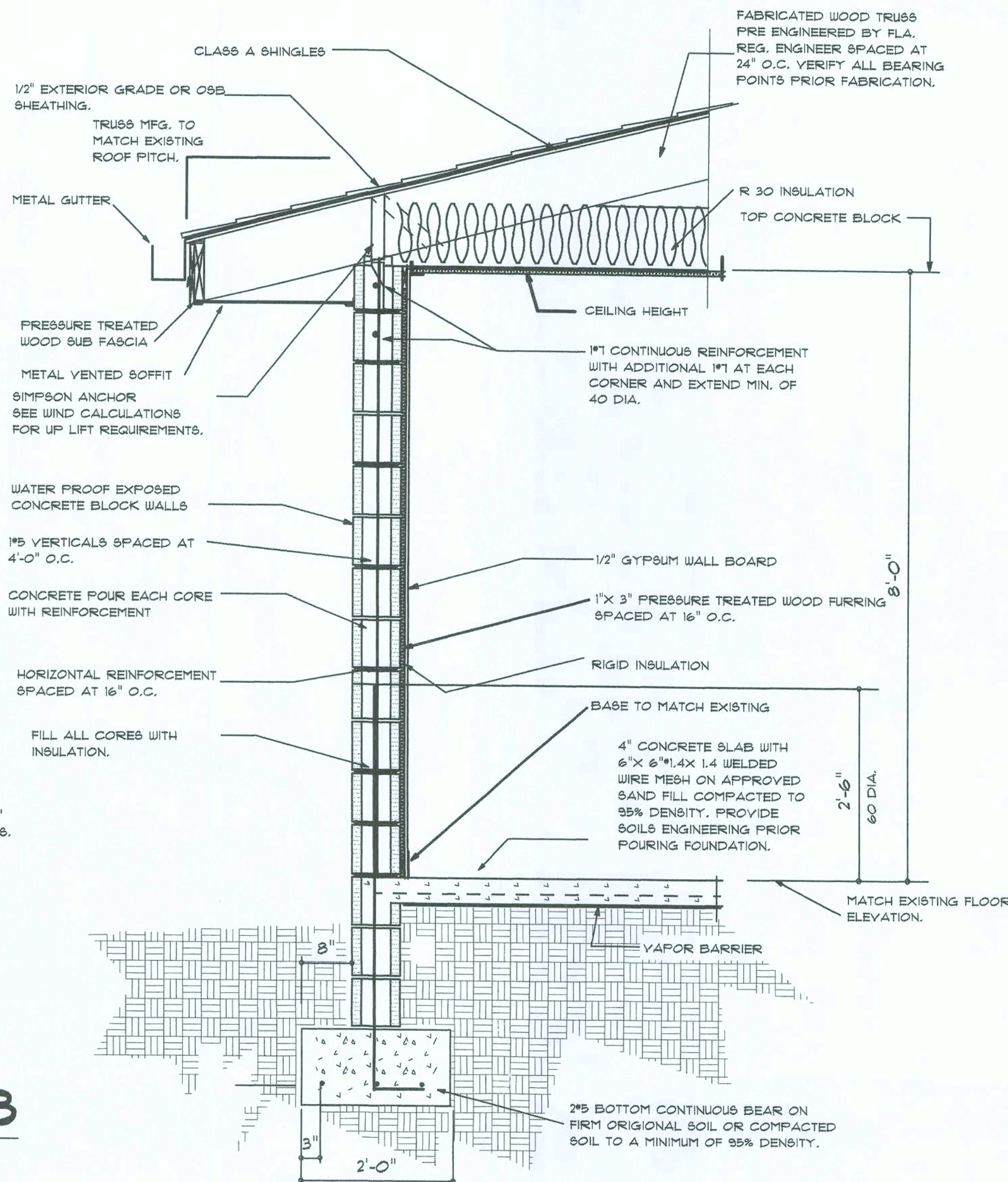
TYPICAL NEW WALL TO 90 DEG. EXISTING WALL BB

SCALE 1/2"=1'-0"



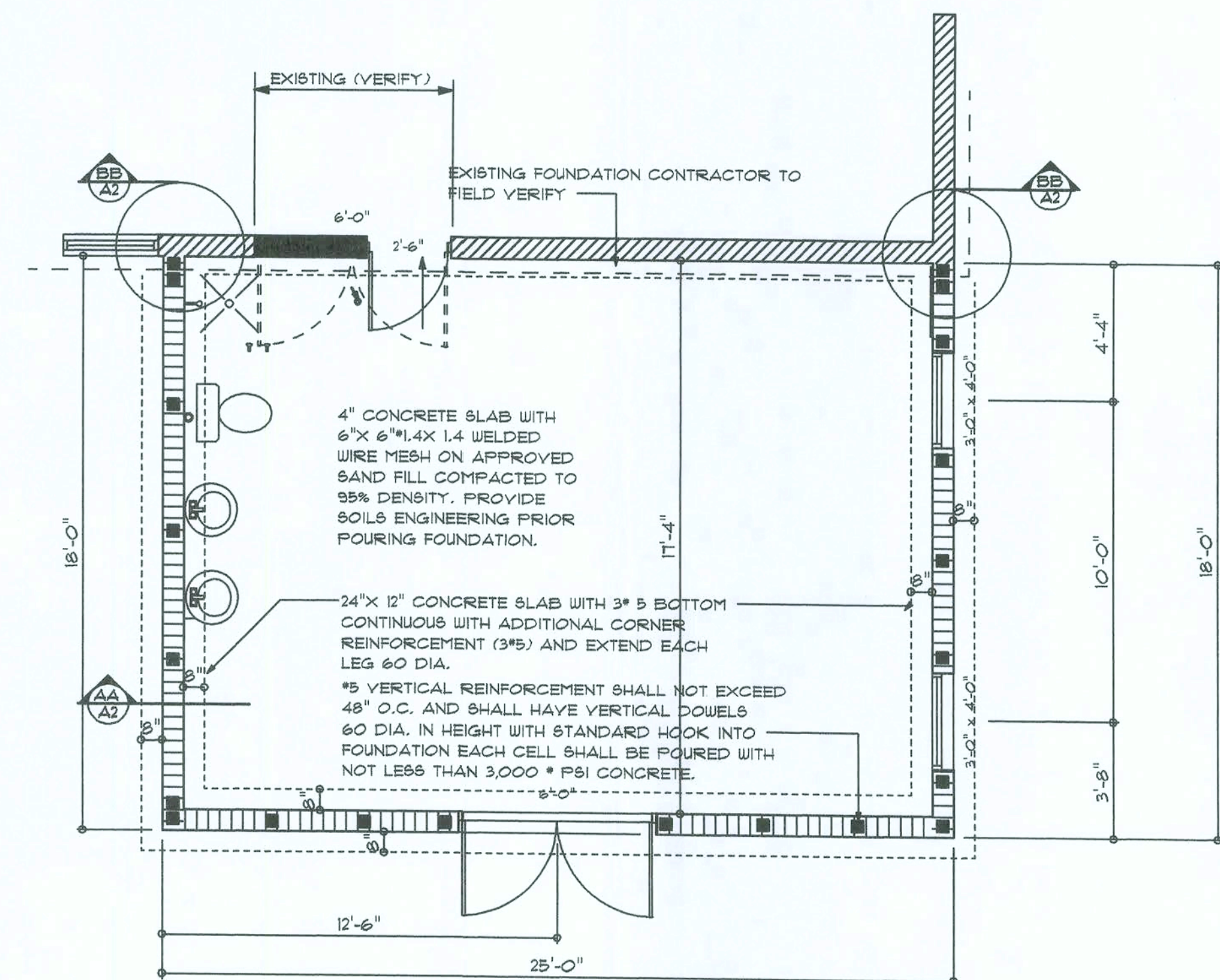
ROOF FRAMING PLAN

SCALE 1/4"=1'-0"



TYPICAL WALL SECTION AA

SCALE 3/4"=1'-0"



FOUNDATION PLAN

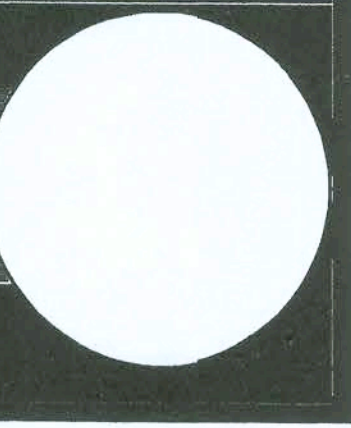
SCALE 1/4"=1'-0"

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